

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 3148-6231.1US		Application Number Not Yet Assigned	
			Applicant Naik et al.			
			Filing Date 3/18/04		Group Art Unit Unknown	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>WGP</i>	3,821,083	06/28/1974	Van Leemputten et al.			
<i>WGP</i>	5,874,109	02/23/1999	Ducheyne et al.			
<i>WGP</i>	5,951,962	09/14/1999	Müller et al.			
<i>WGP</i>	6,395,299 B1	05/28/2002	Babich et al.			
<i>WGP</i>	6,495,352 B1	12/17/2002	Brinker et al.			
<i>WGP</i>	US 2002/0015985 A1	02/07/2002	Takahashi et al.			
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
<i>WGP</i>	WO 00/35993 A1	06/22/2000	Morse et al.			YES
<i>WGP</i>	WO 01/62906 A2	08/30/2001	Basheer			NO
<i>WGP</i>	WO 02/068454 A2	09/06/2002	Ackerman et al.			
<i>WGP</i>	EP 1 252 184 A1	10/23/2002	Kajino et al.			
<i>WGP</i>	WO 03/066209 A1	08/14/2003	Marteaux et al.			
OTHER DOCUMENTS						
(Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>CC</i>	Akbarian, F., et al., "Spectroscopic Determination of Cholinesterase Activity and Inhibition in Sol-Gel Media," <i>Journal of Sol-Gel Science and Technology</i> 8, pp. 1067-1070 (1997).					
<i>CC</i>	Aisen, C., et al., "Studies on Acetylcholinesterase and Cholinesterase Covalently Bound to Polymaleinic Anhydride," <i>Biochimica et Biophysica Acta</i> 377, pp. 297-302 (1975).					
<i>CC</i>	Altstein, M., et al., "Sol-Gel-Entrapped Cholinesterases: A Microtiter Plate Method for Monitoring Anti-cholinesterase Compounds," <i>J. Agric. Food Chem.</i> 46, pp. 3318-3324 (1998).					
EXAMINER	<i>CC & Keek</i>		DATE CONSIDERED		<i>9/12/07</i>	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) 3148-6231.1US		Application Number Not Yet Assigned	
			Applicant Naik et al.			
			Filing Date 3/18/04		Group Art Unit Unknown	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>						
	Avnir, D., et al., "Enzymes and Other Proteins Entrapped in Sol-Gel Materials," Chem. Mater. 6, pp. 1605-1614 (1994).					
	Bruins, M. E., et al., "Thermozymes and Their Applications," Applied Biochemistry and Biotechnology 90, pp. 155-186 (2001).					
	Drott, J., et al., "Porous Silicon as the Carrier Matrix in Microstructured Enzyme Reactors Yielding High Enzyme Activities," J. Micromech. Microeng. 7, pp. 14-23 (1997)					
	Gill, I., et al., "Bioencapsulation Within Synthetic Polymers (Part 1): Sol-Gel Encapsulated Biologicals," TIBTECH 18, pp. 282-296 (July 2000).					
	Gill, I., et al., "Bioencapsulation Within Synthetic Polymers (Part 2): Non-Sol-Gel Protein-Polymer Biocomposites," TIBTECH 18, pp. 469-479 (Nov. 2000).					
	Gill, I., et al., "Encapsulation of Biologicals within Silicate, Siloxane, and Hybrid Sol-Gel Polymers: An Efficient and Generic Approach," J. Am. Chem. Soc. 120, pp. 8587-8598 (1998).					
	Kim, Young Duk, et al., "Siloxane-Based Biocatalytic Films and Paints for Use as Reactive Coatings," Biotechnology and Bioengineering, Vol. 72, No. 4, pp. 475-482 (Feb. 20, 2001).					
	Kovacs, K., et al., "Preparation and Properties of a Novel Immobilized Cholinesterase," Journal of Applied Biochemistry 4, pp. 11-18 (1982).					
	Kramer, D.N., et al., "Colorimetric Determination of Acetylcholinesterase Activity," Analytical Chemistry, Vol. 30, No. 2, pp. 251-254 (Feb. 1958).					
EXAMINER	DATE CONSIDERED <i>4/12/07</i>					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
3148-6231.1USApplication Number
Not Yet Assigned

Applicant Naik et al.

Filing Date 3/18/04

Group Art Unit Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Q	Kröger, N., et al., "Polycationic Peptides from Diatom Biosilica That Direct Silica Nanosphere Formation," Science, Vol. 286, pp. 1129-1132 (Nov. 5, 1999).
Q	Kröger, N., et al., "Self-Assembly of Highly Phosphorylated Silaffins and Their Function in Biosilica Morphogenesis," Science, Vol. 298, pp. 584-586 (Oct. 18, 2002).
	Lei, C., et al., "Entrapping Enzyme in a Functionalized Nanoporous Support," J. Am. Chem. Soc. 124, pp. 11242-11243 (2002).
	Naik, R.R., et al., "Controlled Formation of Biosilica Structures in Vitro," The Royal Society of Chemistry/Chem. Commun., pp. 238-239 (2003).
	Naik, R.R., et al., "Silica-Precipitating Peptides Isolated from a Combinatorial Phage Display Peptide Library," J. Nanosci. Nanotech., Vol. 2, No. 1, pp. 95-100 (2002).
	Novick, S.J., et al., "Protein-Containing Hydrophobic Coatings and Films," Biomaterials 23, pp. 441-448 (2002).
Q	Shtelzer, S., et al., "Properties of Trypsin and of Acid Phosphatase Immobilized in Sol-Gel Glass Matrices," Biotechnology and Applied Biochemistry 15, pp. 227-235 (1992).
EXAMINER	DATE CONSIDERED 4/12/07

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.